

Mountain Valley Pipeline, LLC

v.

Easements to Construct, etc., et al.

Exhibit 49 to Complaint

Map of MVP Parcel No. NC-RO-014.000

NOTES

EXHIBIT A

1. ALL DISTANCES SHOWN HEREON ARE HORIZONTAL GRID DISTANCES, A PROJECT SCALE FACTOR (PSF) OF 0.99979557 WAS ESTABLISHED FOR THIS PROJECT. TO OBTAIN GROUND DISTANCE, DIVIDE THE DISTANCE SHOWN BY THE PSF.
2. AREAS DETERMINED BY COORDINATE METHOD.
3. AREAS SHOWN ARE SUBJECT TO EASEMENT OF RECORD.
4. RECORD REFERENCES: DEED BOOK 474 PAGE 413
5. PARCEL ID. NO. 177471
6. PROPERTY LINES SHOWN ARE BASED ON EXISTING DEEDS, PLATS AND VISIBLE MONUMENTATION DISCOVERED ALONG PROJECT AREA.
7. THIS SURVEY IS REFERENCED TO UTM ZONE 17 N NAD 83 (2011).
8. ALL CORNERS ARE AS NOTED.
9. THIS PLAT IS FOR EASEMENT ACQUISITION PURPOSES ONLY AND IS NOT TO BE CONSIDERED A BOUNDARY SURVEY OF THE PARENT TRACT.
10. TEMPORARY EASEMENT TO BE ACQUIRED.

NC-RO-014.000

**JACKIE BURRIS JOHNSON AND
TED MACK JOHNSON**

DEED BOOK 474 PAGE 413
PARCEL ID. NO. 177471

ADDITIONAL
TEMPORARY
WORKSPACE

3.15± ACRES
137,261± SQ. FEET

N40°06'10"E
37.62'

S76°44'00"E
107.86'

NC-RO-015.000
N/F
PUBLIC SERVICE
COMPANY OF NORTH
CAROLINA
INCORPORATED, A
SOUTH CAROLINA
CORPORATION
N/B/A PSNC ENERGY
DEED BOOK 1461,
PAGE 2341

ADDITIONAL
TEMPORARY
WORKSPACE

WORKSPACE
5.73± ACRES
249,627± SQ. FEET

- PERMANENT
ACCESS ROAD
PA-RO-082
0.03± ACRES
508± SQ. FEET
SEE DETAIL SHEET
2 OF 2

PERMANENT —
EASEMENT
0.81± ACRES
400± SQ. FEET

VICINITY MAP (NTS)

POINT OF BEGINNING
N: 13,253,958.98
E: 2,029,101.41

N20°39'09"W
38,853.41' GRID

— N62°37'14"E
2,755.53' GRID





NGS MONUMENT
SHILOH
N: 13,217,602.44
E: 2,042,805.03
CSF = 0.99975126







NGS MONUMENT
BARNES
N: 13,216,335.22
E: 2,040,358.17
CSF = 0.99974929

NC-R0-013.000

N/F
GEORGE WALTER
JOHNSON, III
DEED BOOK 1548,
PAGE 378

LEGEND

-  NGS MONUMENT
-  EXISTING IRON PIPE OR PIN
-  COMPUTED POINT
-  LINE NOT TO SCALE

	PERMANENT ACCESS ROAD
	TEMPORARY ACCESS ROAD
	PERMANENT EASEMENT
	TEMPORARY WORKSPACE
	ADDITIONAL TEMPORARY WORKSPACE (A.T.W.S.)
	POSSIBLE TEMPORARY WORKSPACE

I, Thomas Warner Kirmmel, certify that this plat is of a PERMANENT EASEMENT for a public utility as defined in GS 62-3; that this plat was drawn under my supervision from an actual survey performed under my supervision (deed description recorded in DEED BOOK 474 PAGE 413); that the ratio of precision as calculated is 1:10,000+; that the Global Positioning System (GPS) observations were performed to the Geospatial Positioning Accuracy Standards, Part 2: Standards for Geodetic Networks at the Class "A" accuracy classification (95% confidence) using RTK/VRS networks and traditional traverses.

That this plat meets the requirements of G.S. 47-30 section (f)(11)(c).

This 3rd day of September, 2020.

THOMAS WARNER KIMMEL, PLS L-3674
TRC ENGINEERS, INC
21 GRIFFIN ROAD NORTH
WINDSOR, CT 06095
PH: (724) 749-8572 tkimmel@trcsolutions.com
NC CORPORATE LICENSE No. F-0591

LAND
OWNER
INITIALS:

DATE: _____

JACKIE BURRIS JOHNSON AND TED MACK JOHNSON

	<u>sq. ft.</u>	<u>acres</u>
AREA OF PERMANENT EASEMENT:	35,400±	0.81±
AREA OF ADDITIONAL TEMPORARY WORKSPACE:	386,888±	8.88±
AREA OF ACCESS ROADS:	2,304±	0.05±

CENTERLINE OF EASEMENT: 708± 42.91±
SEE SHEET 2 OF 2 FOR LINE TABLES AND DETAIL

EASEMENT SURVEY
FOR MVP SOUTHGATE
TOWNSHIP OF WENTWORTH
ROCKINGHAM COUNTY, NORTH CAROLINA

Mountain Valley
PIPELINE

PIPELINE EASEMENT IN PROPERTY OF
JACKIE BURRIS JOHNSON AND TED MACK JOHNSON

NC-RO-014.000
DEED BOOK 474 PAGE 413

Drawn By: DJB	Chk'd By:	Appd By:	TRC Proj. No. 300423	Scale: 1"=200'
Drawn Date: 1/23/19	DD	TWK	Sheet: 1 OF 2	MVP Proj. No.

200 100 0 20

REVISIONS				
2	8/24/2020	CP	GENERAL REVISIONS	DD
1	6/26/19	DJB	REVISED WORKSPACES & ROADS	DD
No.	Date	Rev By	Description	Checked

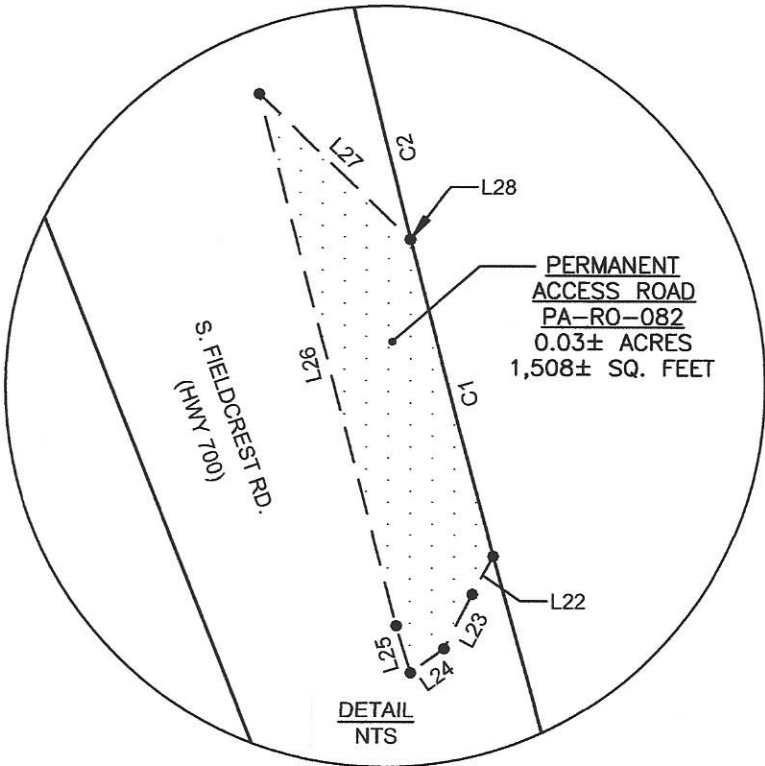
Case 1:21-cv-00047 Document 1-49 Filed 01/15/21 Page 2 of 3

EXHIBIT A

PERMANENT EASEMENT		
LINE TABLE		
LINE #	BEARING	DISTANCE
L1	S40°45'56"W	705.14'
L2	N12°22'40"W	62.49'
L3	N40°45'56"E	710.84'
L4	S08°24'55"E	66.07'

PERMANENT ACCESS ROAD		
LINE TABLE		
LINE #	BEARING	DISTANCE
L22	S28°56'28"W	7.35'
L23	S27°22'01"W	10.42'
L24	S55°05'57"W	7.04'
L25	N16°52'55"W	8.24'
L26	N14°38'55"W	93.47'
L27	S46°10'48"E	35.79'
L28	S83°32'33"E	0.08'

ADDITIONAL TEMPORARY WORKSPACE		
LINE TABLE		
LINE #	BEARING	DISTANCE
L5	S40°06'10"W	266.68'
L6	S40°59'50"W	269.58'
L7	S08°52'53"E	5.66'
L8	S40°05'25"W	100.66'
L9	N07°46'10"W	580.39'
L10	S80°10'33"E	498.35'
L11	N45°37'57"E	164.50'
L12	N06°40'12"W	108.11'
L13	N57°50'08"E	40.99'
L14	S86°30'03"E	101.95'
L15	N82°12'32"E	29.13'
L16	S70°34'21"E	69.17'
L17	S64°01'43"E	83.27'
L18	S28°15'37"E	102.56'
L19	S11°34'31"E	436.49'
L20	S85°39'51"W	466.56'
L21	N12°22'40"W	379.57'



CURVE TABLE					
CURVE #	ARC LENGTH	RADIUS	DELTA	CH. B.	CH. L.
C1	55.67'	3,186.33'	001°00'04"	S14°49'56"E	55.67'
C2	44.00'	3,186.33'	000°47'28"	S13°56'10"E	44.00'
C3	250.66'	3,186.98'	004°30'23"	S10°52'30"E	250.60'
C4	0.42'	3,186.98'	000°00'27"	S08°37'04"E	0.42'



LAND
OWNER
INITIALS: _____

DATE: _____

SEE SHEETS 1 OF 2 FOR GRAPHICS AND LABELS

EASEMENT SURVEY FOR MVP SOUTHGATE TOWNSHIP OF WENTWORTH ROCKINGHAM COUNTY, NORTH CAROLINA				
PIPELINE EASEMENT IN PROPERTY OF JACKIE BURRIS JOHNSON AND TED MACK JOHNSON				
NC-RO-014.000 DEED BOOK 474 PAGE 413 NC-RO-014.000.DWG				
Drawn By: DJB	Chk'd By: DD	App'd By: TWK	TRC Proj. No. 300423 Sheet: 2 OF 2	Scale: N.T.S. MVP Proj. No.
REVISIONS				
2	8/24/2020	CP	GENERAL REVISIONS	DD
1	6/26/19	DJB	REVISED WORKSPACES & ROADS	DD
No.	Date	Rev By	Description	Checked

SEE SHEET 1 OF 2 FOR LAND SURVEYOR'S CERTIFICATION.